



Bearing No. 7318 BECBJ

D	190 mm
d	90 mm
B	43 mm
a	80 mm
Bore	3.543 Inch 90 Millimeter
Noun	Bearing
Width	1.693 Inch 43 Millimeter
UNSPSC	31171531
Category	Angular Contact Ball Bearing
Inventory	0.0
Snap Ring	No
Enclosure	Open
Size (mm)	190x90x43
Width (mm)	43
Flush Ground	Yes
Mass bearing	5.2 kg
Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Steel
D ₁	153.1 mm
d ₂	108.97 mm
d ₁	129.2 mm
Product Group	B00308
Other Features	Normal Axial Internal Clearance
Keyword String	Angular Contact
Bearing number	7318 BECBJ
Limiting speed	4000 r/min

Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Reference speed	4000 r/min
Outside Diameter	7.48 Inch 190 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	90MM Bore; 190MM Outside Diameter; 43MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; CB; Steel Cage; 40 Degree; 1 (Single); Univers
Manufacturer Name	SKF
Weight / Kilogram	5.262
r _b max.	1 mm
r _a max.	2.5 mm
Internal Clearance	CB
D _b max.	183 mm
Bore Diameter (mm)	190
D _a max.	176 mm
d _a min.	104 mm
Number of Bearings	1 (Single)
Outer Diameter (mm)	90
r _b - max.	1 mm
r _a - max.	2.5 mm
r _{1,2} min.	3 mm
Minimum Buy Quantity	N/A
Mounting Arrangement	Universal
D _b - max.	183 mm
Calculation factor A	0.333
D _a - max.	176 mm

d_a - min.	104 mm
Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	1.1 mm
D_1 ?	153.1 mm
d_2 ?	108.97 mm
d_1 ?	129.2 mm
Calculation factor - e	1.14
$r_{3,4}$ - min.	1.1 mm
Calculation factor - X	0.35
Harmonized Tariff Code	8482.10.50.28
$r_{1,2}$ - min.	3 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7318 BECBJ
Basic dynamic load rating C	166 kN
Basic dynamic load rating - C	156 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	5.3 kN
Calculation factor k_r	0.1
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Fatigue load limit - P_u	4.8 kN
Calculation factor - k_r	0.1
Calculation factor - k_a	1.6
Calculation factor - Y_2	0.57
Calculation factor - Y_1	
Calculation factor - Y_0	0.26

Basic static load rating C_0	146 kN
Basic static load rating - C_0	134 kN